Group Art Unit
1642

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> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

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1                               SEQUENCE LISTING
2
3    (1)    General Information:
4
5       (i) APPLICANT: Needleman, Philip
6                      Glenn, Kevin
7                      Krul, Elaine
8                      Gamson, Edward P.
9
10     (ii) TITLE OF INVENTION: An Immunological Process and Constructs
11           for Increasing the HDL Cholesterol Concentration
12
13    (iii) NUMBER OF SEQUENCES: 50
14
15     (iv) CORRESPONDENCE ADDRESS:
16          (A) ADDRESSEE: Welsh & Katz, Ltd.
17          (B) STREET: 120 South Riverside Plaza, 22nd Floor
18          (C) CITY: Chicago
19          (D) STATE: IL
20          (E) COUNTRY: USA
21          (F) ZIP: 60606
22
23      (v) COMPUTER READABLE FORM:
24          (A) MEDIUM TYPE: Floppy disk
25          (B) COMPUTER: IBM PC compatible
26          (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28
29     (vi) CURRENT APPLICATION DATA:
30          (A) APPLICATION NUMBER:
31          (B) FILING DATE:
32          (C) CLASSIFICATION:
33
34   (viii) ATTORNEY/AGENT INFORMATION:
35          (A) NAME: Gamson, Edward P.
36          (B) REGISTRATION NUMBER: 29,381
37          (C) REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242
38
39     (ix) TELECOMMUNICATION INFORMATION:
40          (A) TELEPHONE: (312)655-1500
41          (B) TELEFAX: (312)655-1501
42
43
44   (2) INFORMATION FOR SEQ ID NO:1:
45
46       (i) SEQUENCE CHARACTERISTICS:
```

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47             (A)  LENGTH: 1431 base pairs
48             (B)  TYPE: nucleic acid
49             (C)  STRANDEDNESS: single
50             (D)  TOPOLOGY: linear
51
52       (ii) MOLECULE TYPE: DNA (genomic)
53
54
55    (viii) POSITION IN GENOME:
56             (C)  UNITS: bp
57
58
59       (x) PUBLICATION INFORMATION:
60             (A)  AUTHORS: Drayna, Dennis
61                           Jarnagin, Alisha Stephens
62                           McLean, John
63                           Henzel, William
64                           Kohr, William
65                           Fielding, Christopher
66                           Lawn, Richard
67             (B)  TITLE: Cloning and sequencing of human cholesteryl
68                      ester transfer protein cDNA
69             (C)  JOURNAL: Nature
70             (D)  VOLUME: 327
71             (F)  PAGES: 632-634
72             (G)  DATE: June 18-1987
73
74       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
75
76  TGCTCCAAAG GCACCTCGCA CGAGGCAGGC ATCGTGTGCC GCATCACCAA GCCTGCCCTC      60
77
78  CTGGTGTTGA ACCACGAGAC TGCCAAGGTC ATCCAGACCG CCTTCCAGCG AGCCAGCTAC     120
79
80  CCAGATATCA CGGGCGAGAA GGCCATGATG CTCCTTGGCC AAGTCAAGTA TGGGTTGCAC     180
81
82  AACATCCAGA TCAGCCACTT GTCCATCGCC AGCAGCCAGG TGGAGCTGGT GGAAGCCAAG     240
83
84  TCCATTGATG TCTCCATTCA GAACGTGTCT GTGGTCTTCA AGGGGACCCT GAAGTATGGC     300
85
86  TACACCACTG CCTGGTGGCT GGGTATTGAT CAGTCCATTG ACTTCGAGAT CGACTCTGCC     360
87
88  ATTGACCTCC AGATCAACAC ACAGCTGACC TGTGACTCTG GTAGAGTGCG GACCGATGCC     420
89
90  CCTGACTGCT ACCTGTCTTT CCATAAGCTG CTCCTGCATC TCCAAGGGGA GCGAGAGCCT     480
91
92  GGGTGGATCA AGCAGCTGTT CACAAATTTC ATCTCCTTCA CCCTGAAGCT GGTCCTGAAG     540
93
94  GGACAGATCT GCAAAGAGAT CAACGTCATC TCTAACATCA TGGCCGATTT TGTCCAGACA     600
95
96  AGGGCTGCCA GCATCCTTTC AGATGGAGAC ATTGGGGTGG ACATTTCCCT GACAGGTGAT     660
97
98  CCCGTCATCA CAGCCTCCTA CCTGGAGTCC CATCACAAGG GTCATTTCAT CTACAAGAAT     720
99
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100    GTCTCAGAGG ACCTCCCCCT CCCCACCTTC TCGCCCACAC TGCTGGGGGA CTCCCGCATG    780
101
102    CTGTACTTCT GGTTCTCTGA GCGAGTCTTC CACTCGCTGG CCAAGGTAGC TTTCCAGGAT    840
103
104    GGCCGCCTCA TGCTCAGCCT GATGGGAGAC GAGTTCAAGG CAGTGCTGGA GACCTGGGGC    900
105
106    TTCAACACCA ACCAGGAAAT CTTCCAAGAG GTTGTCGGCG GCTTCCCCAG CCAGGCCCAA    960
107
108    GTCACCGTCC ACTGCCTCAA GATGCCCAAG ATCTCCTGCC AAAACAAGGG AGTCGTGGTC    1020
109
110    AATTCTTCAG TGATGGTGAA ATTCCTCTTT CCACGCCCAG ACCAGCAACA TTCTGTAGCT    1080
111
112    TACACATTTG AAGAGGATAT CGTGACTACC GTCCAGGCCT CCTATTCTAA GAAAAAGCTC    1140
113
114    TTCTTAAGCC TCTTGGATTT CCAGATTACA CCAAAGACTG TTTCCAACTT GACTGAGAGC    1200
115
116    AGCTCCGAGT CCATCCAGAG CTTCCTGCAG TCAATGATCA CCGCTGTGGG CATCCCTGAG    1260
117
118    GTCATGTCTC GGCTCGAGGT AGTGTTTACA GCCCTCATGA ACAGCAAAGG CGTGAGCCTC    1320
119
120    TTCGACATCA TCAACCCTGA GATTATCACT CGAGATGGCT TCCTGCTGCT GCAGATGGAC    1380
121
122    TTTGGCTTCC CTGAGCACCT GCTGGTGGAT TTCCTCCAGA GCTTGAGCTA G            1431
123
124    (2) INFORMATION FOR SEQ ID NO:2:
125
126         (i) SEQUENCE CHARACTERISTICS:
127              (A) LENGTH: 20 amino acids
128              (B) TYPE: amino acid
129              (C) STRANDEDNESS: single
130              (D) TOPOLOGY: linear
131
132        (ii) MOLECULE TYPE: peptide
133
134
135
136
137        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
138
139         Glu Ile Phe Gln Glu Leu Ser Arg Gly Leu Pro Thr Gly Gln Ala Gln
140         1               5                   10                  15
141
142         Val Ala Val His
143                   20
144
145    (2) INFORMATION FOR SEQ ID NO:3:
146
147         (i) SEQUENCE CHARACTERISTICS:
148              (A) LENGTH: 20 amino acids
149              (B) TYPE: amino acid
150              (C) STRANDEDNESS: single
151              (D) TOPOLOGY: linear
152
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153        (ii) MOLECULE TYPE: peptide
154
155
156
157
158        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
159
160        Val Ala Val Thr Phe Arg Phe Pro Arg Pro Asp Gly Arg Glu Ala Val
161        1               5                   10                  15
162
163        Ala Tyr Arg Phe
164                    20
165
166   (2)  INFORMATION FOR SEQ ID NO:4:
167
168        (i) SEQUENCE CHARACTERISTICS:
169            (A) LENGTH: 22 amino acids
170            (B) TYPE: amino acid
171            (C) STRANDEDNESS: single
172            (D) TOPOLOGY: linear
173
174        (ii) MOLECULE TYPE: peptide
175
176
177
178
179        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
180
181        Leu Leu Leu Gln Met Asp Phe Gly Phe Pro Lys His Leu Leu Val Asp
182        1               5                   10                  15
183
184        Phe Leu Gln Ser Leu Ser
185                    20
186
187   (2)  INFORMATION FOR SEQ ID NO:5:
188
189        (i) SEQUENCE CHARACTERISTICS:
190            (A) LENGTH: 20 amino acids
191            (B) TYPE: amino acid
192            (C) STRANDEDNESS: single
193            (D) TOPOLOGY: linear
194
195        (ii) MOLECULE TYPE: peptide
196
197
198
199
200        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
201
202        Thr Thr Val Gln Ala Ser Tyr Ser Gln Lys Lys Leu Phe Leu His Leu
203        1               5                   10                  15
204
205        Leu Asp Phe Gln
```

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206                    20
207
208   (2) INFORMATION FOR SEQ ID NO:6:
209
210       (i) SEQUENCE CHARACTERISTICS:
211           (A) LENGTH: 20 amino acids
212           (B) TYPE: amino acid
213           (C) STRANDEDNESS: single
214           (D) TOPOLOGY: linear
215
216      (ii) MOLECULE TYPE: peptide
217
218
219
220
221      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
222
223       Leu Leu Leu His Leu Gln Gly Glu Arg Glu Pro Gly Trp Leu Lys Gln
224       1               5                   10                  15
225
226       Leu Phe Thr Asn
227                    20
228
229   (2) INFORMATION FOR SEQ ID NO:7:
230
231       (i) SEQUENCE CHARACTERISTICS:
232           (A) LENGTH: 20 amino acids
233           (B) TYPE: amino acid
234           (C) STRANDEDNESS: single
235           (D) TOPOLOGY: linear
236
237      (ii) MOLECULE TYPE: peptide
238
239
240
241
242      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
243
244       Asp Val Ser Gly Glu Arg Ala Val Met Leu Leu Gly Arg Val Lys Tyr
245       1               5                   10                  15
246
247       Gly Leu His Asn
248                    20
249
250   (2) INFORMATION FOR SEQ ID NO:8:
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252       (i) SEQUENCE CHARACTERISTICS:
253           (A) LENGTH: 20 amino acids
254           (B) TYPE: amino acid
255           (C) STRANDEDNESS: single
256           (D) TOPOLOGY: linear
257
258      (ii) MOLECULE TYPE: peptide
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/387,340*

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